

SEQUENCE LISTING

<110> Jaskunas, Stanley Richard
 Li, De-Shan
 Liu, Ling
 Zeng, Wei

<120> Use of Resistin to Treat Hematopoietic Disorders

<130> X15478

<160> 14

<170> PatentIn version 3.1

<210> 1

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(327)

<223> Human Resistin Polynucleotide

<400> 1

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| atgaaagctc tctgtctcct cctcctccct gtcttggggc tgttggtgtc tagcaagacc | 60 |
| ctgtgctcca tggaagaagc catcaatgag aggatccagg aggtcgccgg ctccctaata | 120 |
| tttagggcaa taagcagcat tggcctggag tgccagagcg tcacctccag gggggacctg | 180 |
| gctacttgcc cccgaggctt cgccgtcacc ggctgcactt gtggctcgc ctgtggtcgc | 240 |
| tgggatgtgc ggcgcgagac cacatgtcac tgccagtgcg cgggcatgga ctggaccgga | 300 |
| gcgcgctgct gtcgtgtgca gccctga | 327 |

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<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (1)..(108)

<223> Human Resistin Polypeptide

<400> 2

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| Met | Lys | Ala | Leu | Cys | Leu | Leu | Leu | Leu | Pro | Val | Leu | Gly | Leu | Leu | Val |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 20 | | 25 | | 30 | | | | | | | | | | |
| Gln | Glu | Val | Ala | Gly | Ser | Leu | Ile | Phe | Arg | Ala | Ile | Ser | Ser | Ile | Gly |
| | 35 | | | | | 40 | | | | | | 45 | | | |
| Leu | Glu | Cys | Gln | Ser | Val | Thr | Ser | Arg | Gly | Asp | Leu | Ala | Thr | Cys | Pro |
| | 50 | | | | | 55 | | | | | 60 | | | | |
| Arg | Gly | Phe | Ala | Val | Thr | Gly | Cys | Thr | Cys | Gly | Ser | Ala | Cys | Gly | Ser |
| 65 | | | | | 70 | | | | | 75 | | | | | 80 |
| Trp | Asp | Val | Arg | Ala | Glu | Thr | Thr | Cys | His | Cys | Gln | Cys | Ala | Gly | Met |
| | | | 85 | | | | | | 90 | | | | | 95 | |
| Asp | Trp | Thr | Gly | Ala | Arg | Cys | Cys | Arg | Val | Gln | Pro | | | | |
| | | | 100 | | | | | 105 | | | | | | | |

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 <212> PRT
 <213> Homo sapiens

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 <222> (1)..(90)
 <223> Mature Human Resistin Polypeptide

<400> 3

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Thr | Leu | Cys | Ser | Met | Glu | Glu | Ala | Ile | Asn | Glu | Arg | Ile | Gln | Glu |
| 1 | | | 5 | | | | | | 10 | | | | | 15 | |
| Val | Ala | Gly | Ser | Leu | Ile | Phe | Arg | Ala | Ile | Ser | Ser | Ile | Gly | Leu | Glu |
| | | 20 | | | | | 25 | | | | | | 30 | | |
| Cys | Gln | Ser | Val | Thr | Ser | Arg | Gly | Asp | Leu | Ala | Thr | Cys | Pro | Arg | Gly |
| | 35 | | | | | | 40 | | | | | 45 | | | |
| Phe | Ala | Val | Thr | Gly | Cys | Thr | Cys | Gly | Ser | Ala | Cys | Gly | Ser | Trp | Asp |
| | 50 | | | | | 55 | | | | | 60 | | | | |
| Val | Arg | Ala | Glu | Thr | Thr | Cys | His | Cys | Gln | Cys | Ala | Gly | Met | Asp | Trp |
| 65 | | | | 70 | | | | | 75 | | | | | 80 | |
| Thr | Gly | Ala | Arg | Cys | Cys | Arg | Val | Gln | Pro | | | | | | |
| | | | | 85 | | | | 90 | | | | | | | |

<210> 4
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<213> Homo sapiens

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<222> (1)..(108)
<223> Human Resistin Allelic Variant

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Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
35 40 45

Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 5
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<212> PRT
<213> Homo sapiens

<220>
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<222> (1)..(108)
<223> Human Resistin Allelic Variant

<400> 5

Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
 20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
 35 40 45

Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
 50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
 65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
 85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
 100 105

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 <222> (1)..(108)
 <223> Human Resistin Allelic Variant

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Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
 1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
 20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
 35 40 45

Arg Gly Ser Glu Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
 50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
 65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 7
<211> 107
<212> PRT
<213> Homo sapiens

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<222> (1)..(107)
<223> Human Resistin Allelic Variant

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<221> MISC_FEATURE
<222> (48)..(48)
<223> Xaa=Arg or Leu

<220>
<221> MISC_FEATURE
<222> (49)..(49)
<223> Xaa=Gly or Glu

<220>
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<222> (50)..(50)
<223> Xaa=Cys or Ser

<220>
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<222> (51)..(51)
<223> Xaa=Gln or Glu

<400> 7

Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Gln
20 25 30

Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Xaa
35 40 45

Xaa Xaa Xaa Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg
50 55 60

Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp
65 70 75 80

Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp
85 90 95

Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 8
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 8
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39

<210> 9
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<212> DNA
<213> Artificial Sequence

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<400> 9
cgcgatatcg ggctgcacac gacagcagc

29

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<212> DNA
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<210> 11
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<220>

<223> Synthetic Construct

<400> 11

tccaggccaa tgctgcttat

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<211> 24

<212> DNA

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tcgccggctc ctaatattta gggc

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<213> rattus sp.

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<221> MISC_FEATURE

<222> (1)..(114)

<223> Rat resistin protein

<400> 13

Met Lys Asn Leu Ser Phe Leu Leu Leu Phe Leu Phe Phe Leu Val Leu
1 5 10 15

Gly Leu Leu Gly Pro Ser Met Ser Leu Cys Pro Met Asp Glu Ala Ile
20 25 30

Ser Lys Lys Ile Asn Gln Asp Phe Ser Ser Leu Leu Pro Ala Ala Met
35 40 45

Lys Asn Thr Val Leu His Cys Trp Ser Val Ser Ser Arg Gly Arg Leu
50 55 60

Ala Ser Cys Pro Glu Gly Thr Thr Val Thr Ser Cys Ser Cys Gly Ser
65 70 75 80

Gly Cys Gly Ser Trp Asp Val Arg Glu Asp Thr Met Cys His Cys Gln
85 90 95

Cys Gly Ser Ile Asp Trp Thr Ala Ala Arg Cys Cys Thr Leu Arg Val
100 105 110

Gly Ser

<210> 14
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<212> PRT
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<220>
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<222> (1)..(114)
<223> Mouse resistin protein

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Met Lys Asn Leu Ser Phe Pro Leu Leu Phe Leu Phe Phe Leu Val Pro
1 5 10 15

Glu Leu Leu Gly Ser Ser Met Pro Leu Cys Pro Ile Asp Glu Ala Ile
20 25 30

Asp Lys Lys Ile Lys Gln Asp Phe Asn Ser Leu Phe Pro Asn Ala Ile
35 40 45

Lys Asn Ile Gly Leu Asn Cys Trp Thr Val Ser Ser Arg Gly Lys Leu
50 55 60

Ala Ser Cys Pro Glu Gly Thr Ala Val Leu Ser Cys Ser Cys Gly Ser
65 70 75 80

Ala Cys Gly Ser Trp Asp Ile Arg Glu Glu Lys Val Cys His Cys Gln
85 90 95

Cys Ala Arg Ile Asp Trp Thr Ala Ala Arg Cys Cys Lys Leu Gln Val
100 105 110

Ala Ser